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REMARKS

This paper is intended as a full and complete response to the Final Office Action dated July 5, 2006, having a shortened statutory period for response set to expire on October 5, 2006.

If the amendments and remarks herein do not satisfy the Examiner, the Applicant respectfully requests an Advisory Action so that the Applicant may reply to the Examiner's concerns.

Claims 4-5 and 12-13 are cancelled from the Application.

Claims 1 and 5 are currently amended in the Application

Claims 1-3, 6-11, and 14 are pending in the Application.

I. Election/Restrictions

Applicant has cancelled Claims 12 and 13 from the Application as suggested by the Examiner.

II. Claim Rejections, 35 USC §102

Claims 1-3 and 5-9 stand rejected under 35 U.S.C. § 102 as being unpatentable over Murphy US Patent Number 4,150,090.

Applicant has amended Claim 1 to recite that the fuel distributor is connected to a source of fuel oil and that the fluidization distributor is connected to a source of a fluidization gas catalyst regenerator (For support, refer to Claims 4 and 5 as filed, Paragraph 38 of the Specification, and Figure 1).

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Applicant's claimed regenerator for catalyst used in an FCC process introduces vaporized supplemental fuel into the spent catalyst feed thus providing heat for the catalyst regeneration upon combustion with the oxygen-containing gas (air, e.g.) that is introduced into the bottom of the catalyst bed below the slot, and minimizing the risk of combustion of the fuel

above the catalyst bed and/or uneven heating (For support, refer to Paragraph 39).

Applicant believes that *Murphy* does not anticipate Claim 1 as amended herein.

Murphy does not claim a fuel distributor or a fluidization distributor. The only injector

anticipated in Murphy is a steam injection ring that injects "a flow of stream upwardly in the

annular space within the well pipe" (See Murphy Column 3, Lines 27-31). Murphy does not

anticipate introducing vaporized supplemental fuel into the spent catalyst feed. Furthermore,

Murphy fails to provide any motivation or guidance for such a proposed modification.

Claim 5 is cancelled. Claims 2-3 and 6-9 are dependent on independent Claim 1

and, therefore, include all the features thereof. Since Applicant believes that independent Claim

1 is patentable over Murphy, Applicant believes Claims 2-3 and 6-9 are thus patentable over

Murphy. Reconsideration of the rejection to Claims 2-3 and 6-9 is respectfully requested in view

of the remarks.

III. Claim Rejections, 35 USC §103

Claim 4 stands rejected under 35 U.S.C. § 103 as being unpatentable over Murphy

US Patent Number 4,150,090, and further in view of Ramachandran US Patent Number

5,565,089.

Claim 4 is cancelled. Claim 1 has been amended to include the limitations of

Claim 4. Since Ramachandran does not teach providing vaporized supplemental fuel into the

spent catalyst feed, Applicant believes that Claim 1 as amended herein is patentable over Murphy

and further in view of Ramachandran. Reconsideration of the rejection to Claim 4 is

respectfully requested in view of the remarks.

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Claims 10 and 11 stand rejected under 35 U.S.C. § 103 as being unpatentable over

Murphy US Patent Number 4,150,090, and further in view of Castagnos, Jr. US Patent Number

4,062,759.

Claims 10 and 11 are dependent on independent Claim 1 and, therefore, include

all the features thereof. Since Applicant believes that independent Claim 1 is patentable over

Murphy and since Castagnos, Jr. does not teach the missing element from Murphy, Applicant

believes Claims 10 and 11 are thus patentable over Murphy and further in view of Castagnos, Jr.

Reconsideration of the rejection to Claims 10 and 11 is respectfully requested in view of the

remarks.

Claim 14 stands rejected under 35 U.S.C. § 103 as being unpatentable over

Murphy US Patent Number 4,150,090, and further in view of Chen US Patent Number

6,797,239.

Claim 14 is dependent on independent Claim 1 and, therefore, includes all the

features thereof. Since Applicant believes that independent Claim 1 is patentable over Murphy

and since Chen does not teach the missing element from Murphy, Applicant believes Claim 14 is

thus patentable over Murphy and further in view of Chen. Reconsideration of the rejection to

Claim 14 is respectfully requested in view of the remarks.

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Reconsideration of this Application with the amended claims in view of the remarks expressed throughout this Response is respectfully requested.

Respectfully submitted,

Date: 8 31 06

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